

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS

1. (currently amended) A method for remotely controlling audio/visual (A/V) devices within a personal computer (PC), the method comprising:

receiving data signals from a single control device;

accessing a look-up table within a graphics card of said PC, said lookup table having a plurality of mappings between each of the data signals from said single control device and an appropriate control function for each of the A/V devices;

translating the received data signals to particular control functions utilizing the look-up table, ~~wherein an input of the data signals from the single control device is the only input required for the translating;~~ and

controlling the operation of the A/V devices via the PC based on the particular control functions.

2. - 3. (Cancelled)

4. (previously presented) The method of claim 1 wherein the device functions further comprise a plurality of CD/DVD and TV/DVR functions.

5. (currently amended) A system for remotely controlling a plurality of audio/visual (A/V) devices, the system comprising:

a single remote control device with selectable buttons for transmitting data signals wirelessly to access control of the plurality of A/V devices;

a connection hardware, coupling the plurality of A/V devices and a personal computer (PC) ~~the PC~~;

a graphics card coupled to the PC, the graphics card for translating the data signals to appropriate control functions, wherein the selectable buttons are automatically associated with the appropriate control functions for a particular A/V device, ~~and wherein an input of the data signals from the single remote control device is the only input required for the translating;~~ and

a graphics processing unit coupled within the PC based graphics card, said graphics processing unit for controlling the plurality of A/V devices utilizing the appropriate control functions.

6. (previously presented) The system of claim 5 wherein the connection hardware comprises a tuner box for coupling the plurality of A/V devices to the PC.

7. (currently amended) The system of claim 6 wherein the ~~connection hardware further comprises a~~ graphics board card for translating the data signals to appropriate control functions further comprises a look up table for

selecting and controlling operation of the plurality of A/V devices ~~utilizing a look-up table~~ wherein a first set of the selectable buttons are mapped to select one or more A/V devices and a second set of the selectable buttons are mapped to control operation as a function of the selected one or more A/V devices.

8. (currently amended) The system of claim 7 wherein the tuner box comprises an infrared port receiver and a register to receive the data signals from the single remote control device and for transferring the received data signals to the graphics card-board.

9 - 10. (Cancelled)

11. (previously presented) The system of claim 5 wherein the control functions comprise one of a plurality of DVD and DVR functions.

12. (Cancelled)

13. (currently amended) A method for remotely controlling a plurality of audio/visual (A/V) devices within a personal computer (PC) utilizing one remote control, the remote control having a plurality of buttons, the method comprising:
providing a data signal based upon activating at least one of the plurality of buttons from the one remote control, the at least one button for controlling one of the plurality of A/V devices;

determining automatically within a graphics card in the PC a control function for a particular A/V device associated with the data signal based only on the activated at least one of the plurality of buttons and the particular A/V device the signal is associated with; and

providing information from the graphics card for controlling the particular A/V device based on the control function.

14. (currently amended) A computer readable medium containing program instructions for remotely controlling audio/visual (A/V) devices within a personal computer (PC), the program instructions for:

accessing a mapping stored on a graphics card of the PC, said mapping comprising a mapping of each button on a single remote control device to predetermined key codes, wherein a first set of buttons select operation of one or more A/V devices and a second set of buttons control operation as a function of the selected A/V device; and

translating automatically data signals from a selected button to device functions via the PC based on the key codes, ~~wherein an input of the data signals from the selected button on the single remote control device is the only input required for the translating.~~

15. (previously presented) The computer readable medium of claim 14 further comprising utilizing a look-up table containing mappings of each button to predetermined key codes for translating the data signals to device functions.

16. (Cancelled)

17. (previously presented) The computer readable medium of claim 15 wherein the device functions further comprise a plurality of CD/DVD and TV/DVR functions.

18. (currently amended) A method for remotely controlling audio/visual (A/V) devices within a personal computer (PC), the method comprising the steps of:

(a) mapping each button on a single remote control device to predetermined key codes, wherein a first set of buttons select operation of one or more A/V devices and a second set of buttons control operation as a function of the selected A/V device;

(b) storing the mapping in a look-up table in a graphics card in the PC;

(c) receiving within the graphics card a first data signal corresponding to a selected one of the first set of buttons;

(d) translating within the graphics card the first data signal to a first control function utilizing the look-up table to select operation of a particular A/V device coupled to a PC, ~~wherein an input of the first data signal from the single remote control device is the only input required for the translating;~~

(e) receiving within the graphics card a second data signal corresponding to a selected one of the second set of buttons; and

(f) translating within the graphics card the second data signal to a second control function utilizing the look-up table to control operation of the particular A/V device coupled to the PC, wherein the selected one of the second set of buttons is automatically associated with an appropriate control function for the particular A/V device, ~~and wherein an input of the second data signal from the single remote control device is the only input necessary for the translating.~~

19. (currently amended) A system for remotely controlling a plurality audio/visual (A/V) devices within a personal computer (PC), the system comprising:

a single remote control device with selectable buttons for transmitting data signals wirelessly;

a tuner box coupled to the PC, the plurality of A/V devices and the remote control device, for receiving the data signals for transfer to the PC; and

the PC having a graphics board for automatically translating the data signals to appropriate control functions for selecting and controlling operation of the plurality of A/V devices utilizing a look-up table wherein a first set of the selectable buttons are mapped to select one or more A/V devices and a second set of the selectable buttons are mapped to control operation as a function of the selected one or more A/V devices, ~~and wherein an input of the data signals from the single remote control device is the only input required for the translating.~~

20. (currently amended) A computer readable medium for remotely controlling audio/visual (A/V) devices within a personal computer (PC), the method comprising:

mapping each button on a single remote control device to predetermined key codes in a look-up table stored in a graphics card in the PC, wherein a first set of buttons select one or more A/V devices and a second set of buttons control operation of each of the selected A/V devices and wherein a graphical user interface is not necessary;

translating automatically data signals from the single remote control to device functions utilizing the look-up table, wherein the data signals include one or more of the predetermined key codes, and wherein an input of the data signals from the single remote control is the only input required for the translating; and

controlling selection and operation of the A/V devices via the graphics board in the PC based on the device functions.

21. (currently amended) A system for remotely controlling a plurality of audio/visual (A/V) devices within a personal computer (PC), the system comprising:

a tuner box, coupled to a graphics board within the PC and the plurality of A/V devices, having an infrared port receiver and a register for receiving data signals for transfer to the PC;

a single remote control device with selectable buttons for transmitting the data signals wirelessly to access control of the plurality of A/V devices;

the PC having a graphics board including a button mapping software for automatically translating the data signals to appropriate control functions and a software driver for providing information for controlling the plurality of A/V devices according to the appropriate control function, wherein a first set of the data signals are mapped to select one or more A/V devices and a second set of the data signals are mapped to control operation of the selected one or more A/V devices, ~~and wherein an input of the data signals from the single remote control device is the only input required for the translating.~~

22. (cancelled)